

Message

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Sent: 5/24/2017 3:34:40 PM
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Subject: Review of radiological risk review for FYR report
Attachments: ResRad Input Parameters 2006 Version.pdf; ResRad Input Parameters 2017 Version.pdf; Resident_rad_prg_22MAY2017_prg13871.pdf; WRW_rad_prg_23MAY2017_prg1258 (1).pdf

All:

In our most recent FYR Team meeting, there were several comments and suggestions related to *Appendix C, Risk Assessment Review*. I am revising this appendix and will forward it to you for review today. Below is a summary of the major changes that were made:

- The addition of progeny in the EPA PRG calculator made no difference in the calculated PRGs. Because RESRAD automatically accounts for progeny, I've revised the PRG calculator text to indicate that the resulting PRGs account for progeny. We did not re-run RESRAD, since it automatically accounts for progeny.
- There was much discussion regarding the input parameters that are entered into the EPA PRG calculator and RESRAD. I've attached the input/output for the two scenarios we ran in the PRG calculator (WRW and resident) and the RESRAD input parameters from 2006 and 2017 (the 2017 RESRAD file is easier to read, so I suggest you look at that one first - the site-specific parameters start on Page 5). The RESRAD default inputs are beside the site-specific inputs, so you can easily compare them.
- We were able to enter the input parameters in the online EPA PRG calculator, so we no longer need to rely on an Excel spreadsheet. The text discussing why we originally used an Excel spreadsheet has been deleted from the appendix. The revised 2017 PRGs are direct output from the online EPA PRG calculator using the WRW scenario for the COU (with 2006 CRA input parameters) and the residential scenario for the POU and OU3 (using 2002 RSAL input parameters). As you will see in the revised text, this changed the new PRG values.
- I replaced Table C-5 (large table full of chemical constituents) with the revised table of chemical constituents that now lists the chemicals in the first column and "x" in subsequent columns (the revised table was emailed to you yesterday).

Thanks.



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